



STANTON MAGNETICS, INCORPORATED  
Terminal Drive, Plainview, New York 11803



STANTON

*the leader in professional  
quality audio products*



912-418-609





### THE CONCEPT BEHIND THE STANTON 681 CALIBRATION STANDARD SERIES

For a long time, a large technological gap existed within the recording industry. Recording equipment and playback electronics had outgrown the capabilities of the best state-of-the-art cartridge designs. While a few units were markedly better than their contemporaries, there was no cartridge of sufficient sophistication to be used as a primary calibration standard in system checkouts for linearity and equalization when it corresponded to a curve based on a particular cartridge selected by the engineer. Also, there was no accepted "standard" cartridge for A & R (artist and repertoire) evaluation. Whether a reproduction disk sample sounded too "dead" or "bright" was largely a matter of cartridge selection.

The Calibration Standard concept was an outgrowth of these needs. Stanton Magnetics resolved to produce an "absolute" cartridge standard — stereo cartridges of such linearity and overall quality as to gain immediate acceptance within the recording and broadcasting industries, and of so advanced a design as to remain the standard for years to come.

How well Stanton succeeded is evidenced by an almost universal acceptance of Calibration Standard cartridges by engineers, music critics and musicians. Now, the famous Calibration Standard Series, designated the 681, consists of four superb cartridges. They feature an incredibly low mass, moving magnetic system which is but 1/5 to 1/10 that of ordinary pickups. Its frequency response from 10 Hz to 20,000 Hz is virtually a straight line. Every 681 is guaranteed to meet the specifications within exacting limits and the most meaningful warranty possible — individual calibration test results — comes packed with each unit.



### STANTON CREATES THE NEW CALIBRATION STANDARD MODEL 681 TRIPLE-E

Perhaps, with this cartridge, the outer limits of excellence in stereo sound reproduction has been reached. Such is the reputation of the TRIPLE-E.

The Stanton 681 TRIPLE-E offers improved tracking at all frequencies. It achieves perfectly flat frequency response to beyond 20 kHz. It features a dramatically reduced tip mass. The stylus assembly possesses even greater durability than had been previously thought possible to achieve.

#### SPECIFICATIONS

<b>FREQUENCY RESPONSE:</b>	10 Hz to 12 kHz $\pm 1/2$ dB from 12 kHz to 22 kHz Individually Calibrated at the factory
<b>OUTPUT:</b>	0.7 mV/cm/sec. $\pm 2$ dB
<b>CHANNEL SEPARATION:*</b>	35 dB
<b>LOAD RESISTANCE:</b>	47,000 ohms
<b>LOAD CAPACITANCE:</b>	275 pF
<b>DC RESISTANCE:</b>	1,300 ohms approx.
<b>INDUCTANCE:</b>	930 mH approx.
<b>CHANNEL BALANCE:</b>	Within 2 dB
<b>STYLUS TIP:</b>	0.2 x 0.7 mil Elliptical Diamond
<b>TRACKING FORCE:</b>	Arm Setting with Brush: $2 \pm 1/2$ grams Resulting Tracking Force: $1 \pm 1/2$ gram
<b>CARTRIDGE WEIGHT:**</b>	5.5 grams
<b>MOUNTING DIMENSIONS:</b>	1/2" mounting centers
<b>APPLICATION:</b>	Critical Listening
<b>SUGGESTED RETAIL:</b>	\$90.00

\*Reference 1 kHz.

\*\*BRUSH WEIGHT (Self Supporting): 1 gram — for Professional Applications requiring precise cueing, the "Longhair" Brush is easily removable without the use of tools.





**FOR THE MOST CRITICAL LISTENING –  
LOW MASS AND TRACKING FORCE**

**MODEL 681EE**

For anyone who listens "professionally," the 681EE offers an audio quality that is equally satisfying to the audiophile. High compliance, low mass and low tracking force assure minimum wear for irreplaceable records and archives. Built-in "Longhair" brush keeps dust away from stylus, protects record grooves, reduces noise—all without affecting stylus force. Elliptical stylus tip eliminates inner-groove distortion caused by pinch effect.

**SPECIFICATIONS**

<b>FREQUENCY RESPONSE:</b>	10 Hz to 10 kHz $\pm 1/2$ dB from 10 kHz to 20 kHz Individually Calibrated at the factory
<b>OUTPUT:</b>	0.82 mV/cm/sec. $\pm 2$ dB
<b>CHANNEL SEPARATION:*</b>	35 dB
<b>LOAD RESISTANCE:</b>	47,000 ohms
<b>LOAD CAPACITANCE:</b>	275 pF
<b>DC RESISTANCE:</b>	1,300 ohms approx.
<b>INDUCTANCE:</b>	930 mH approx.
<b>CHANNEL BALANCE:</b>	Within 2 dB
<b>STYLUS TIP:</b>	0.2 x 0.7 mil Elliptical Diamond
<b>TRACKING FORCE:</b>	Arm Setting with Brush: $2\frac{1}{4} \pm \frac{1}{2}$ grams Resulting Tracking Force: $1\frac{1}{4} \pm \frac{1}{2}$ grams
<b>CARTRIDGE WEIGHT:**</b>	5.5 grams
<b>MOUNTING DIMENSIONS:</b>	$\frac{1}{2}$ " mounting centers
<b>APPLICATION:</b>	Critical Listening
<b>SUGGESTED RETAIL:</b>	\$78.00

\*Reference 1 kHz.

\*\*BRUSH WEIGHT (Self Supporting): 1 gram — for Professional Applications requiring precise cueing, the "Longhair" Brush is easily removable without the use of tools.



**THE RECORDING CHANNEL  
CALIBRATION STANDARD**

**MODEL 681A**

Indispensable for the recording engineer as a calibration standard for recording system checkout. Features extreme linearity plus widest and flattest possible response essential for precise alignment of cutting heads.

Factory calibrated frequency response meets the most rigid tolerances. Built-in "Longhair" brush keeps dust away from stylus, protects record grooves and reduces noise—all without affecting stylus force.

**SPECIFICATIONS**

<b>FREQUENCY RESPONSE:</b>	10 Hz to 10 kHz $\pm 1/2$ dB from 10 kHz to 20 kHz Individually Calibrated at the factory
<b>OUTPUT:</b>	1.0 mV/cm/sec. $\pm 2$ dB
<b>CHANNEL SEPARATION:*</b>	35 dB
<b>LOAD RESISTANCE:</b>	47,000 ohms
<b>LOAD CAPACITANCE:</b>	275 pF
<b>DC RESISTANCE:</b>	1,300 ohms approx.
<b>INDUCTANCE:</b>	930 mH approx.
<b>CHANNEL BALANCE:</b>	Within 2 dB
<b>STYLUS TIP:</b>	0.7 mil Spherical Diamond
<b>TRACKING FORCE:</b>	Arm Setting with Brush: $3\frac{1}{2} \pm \frac{1}{2}$ grams Resulting Tracking Force: $2\frac{1}{4} \pm \frac{1}{2}$ grams
<b>CARTRIDGE WEIGHT:**</b>	5.5 grams
<b>MOUNTING DIMENSIONS:</b>	$\frac{1}{2}$ " mounting centers
<b>APPLICATION:</b>	Recording Channel Calibration
<b>SUGGESTED RETAIL:</b>	\$72.00

\*Reference 1 kHz.

\*\*BRUSH WEIGHT (Self Supporting): 1 gram — for Professional Applications requiring precise cueing, the "Longhair" Brush is easily removable without the use of tools.





FOR CRITICAL LISTENING PLUS  
ADDED RUGGEDNESS  
MODEL 681SE

This durable cartridge is recommended where the requirement calls for critical listening with medium stylus force. Provides a 0.4 x 0.7 mil elliptical stylus. Excellent frequency response and linearity, even at the inner groove diameters.

The "Longhair" brush keeps dust away from stylus record grooves and reduces noise.

SPECIFICATIONS

FREQUENCY RESPONSE:	10 Hz to 10 kHz $\pm 1/2$ dB from 10 kHz to 20 kHz Individually Calibrated at the factory
OUTPUT:	1.0 mV/cm/sec. $\pm 2$ dB
CHANNEL SEPARATION:*	35 dB
LOAD RESISTANCE:	47,000 ohms
LOAD CAPACITANCE:	275 pF
DC RESISTANCE:	1,300 ohms approx.
INDUCTANCE:	930 mH approx.
CHANNEL BALANCE:	Within 2 dB
STYLUS TIP:	0.4 x 0.7 Elliptical Diamond
TRACKING FORCE:	Arm Setting with Brush: 4 $\pm 1$ grams Resulting Tracking Force: 3 $\pm 1$ grams
CARTRIDGE WEIGHT:**	5.5 grams
MOUNTING DIMENSIONS:	1/2" mounting centers
APPLICATION:	High Tracking Elliptical
SUGGESTED RETAIL:	\$72.00

\*Reference 1 kHz.  
\*\*BRUSH WEIGHT (Self Supporting): 1 gram — for Professional Applications requiring precise cueing, the "Longhair" Brush is easily removable without the use of tools.

681 CALIBRATION STANDARD REPLACEMENT STYLUS

Equipped With "Longhair" Brush

CARTRIDGE NO.	REPLACEMENT STYLUS NO.	SIZE	TRACKING FORCE	COLOR	NET
681EEE	D 6800EEE	0.2 x 0.7 mil Elliptical	3/4-1 1/2 grams	Black w/silver EEE	\$45.00
681EE	D 6800EE	0.2 x 0.7 mil Elliptical	3/4-1 1/2 grams	Black w/silver Ellipse	39.00
681A	D 6807A	0.7 mil	1 1/2-3 grams	Black w/Silver Dot	32.40
681SE	D 6800SE	0.4 x 0.7 mil Elliptical	2-4 grams	Black w/Red Ellipse	32.40
LP Stylus for Above	D 6810	1.0 mil	2-5 grams	Black w/Green Dot	30.00
78 RPM for Above	D 6827	2.7 mil.	2-7 grams	Black w/Blue Dot	30.00

The STANTON 681 series cartridge is covered by the following U.S. Patents: #3,546,399; #2,917,590; as well as corresponding patents of pending applications in the leading industrial nations throughout the world.  
All Stanton MICRO-FLUXVALVE cartridges are equipped with patented replaceable V-GUARD stylus assembly. MICRO-FLUXVALVE is a trademark of Stanton Magnetics, Inc.  
NOTE: A Stanton "Silver Box" is included in the packaging of this series for storage of extra stylus.





#### THE 680 STEREO STANDARD SERIES

This series was developed for qualities of ruggedness, born out of the needs of the Disco industry. Here is where a cartridge has to face probably the toughest physical demands of any professional situation. The result was a cartridge, the 680 EL, designed and engineered with optimum balance of vertical stylus force, compliance and stylus shank strength.

Its toughness and sound excellence make it a perfect choice too, for on-the-air use by the broadcast industry, in fact, anywhere that there's a need for toughness *and* sound quality.

As a result of the techniques learned in producing the extra tough "workhorse" cartridge, Stanton also developed a cartridge not quite so tough, but perfect for critical listening, the 680 EE. It is more strongly constructed than most cartridges; yet it possesses outstanding listening characteristics, and it tracks at the very lightest forces.



#### SPECIFICALLY DESIGNED AND ENGINEERED FOR DISCO USE MODEL 680EL

Discotheques represent one of the most grueling professional situations for a pickup that can be imagined. Not only must the cartridge achieve a particularly high level of sound excellence, it must do so in the "live" environment of back cueing, slip cueing, heavy tracking forces, vibration and potential mishandling . . . where a damaged stylus means much more than lost music . . . it means lost business. The 680 EL meets the challenge head on — and satisfies it!

The 680 EL comes complete with a spare stylus, since it is imperative in a "live" disco situation to be able to make an immediate "on duty" replacement. Replacement styli are sold either singly or in packs of three.

#### SPECIFICATIONS:

<b>FREQUENCY RESPONSE:</b>	20 Hz to 18 kHz
<b>OUTPUT:</b>	0.82 mV/cm/sec. $\pm 2$ dB
<b>CHANNEL SEPARATION:*</b>	30 dB
<b>LOAD RESISTANCE:</b>	47,000 ohms
<b>LOAD CAPACITANCE:</b>	275 pF
<b>DC RESISTANCE:</b>	1,300 ohms approx.
<b>INDUCTANCE:</b>	930 mH approx.
<b>CHANNEL BALANCE:</b>	Within 2 dB
<b>STYLUS TIP:</b>	0.4 x 0.7 mil Elliptical Diamond
<b>TRACKING FORCE:</b>	2 to 5 grams
<b>CARTRIDGE WEIGHT:</b>	5.5 grams
<b>MOUNTING DIMENSIONS:</b>	$\frac{1}{2}$ " mounting centers
<b>SUGGESTED RETAIL:</b>	\$90.00
	(Price includes spare stylus)

\*Reference 1 kHz.





THE PERFECT BLEND OF  
EXTRA LIGHT TRACKING AND RUGGEDNESS  
MODEL 680EE

The 680EE is capable of a particularly high level of performance for those professional situations where light tracking forces are essential and durability is desirable. The 680EE, besides possessing outstanding listening characteristics, tracks at the very lightest forces, 3/4 to 1 1/2 grams. Of course, it is perfect for home entertainment applications. Its level of performance is comparable with top-of-the-line models yet it is modestly priced.

SPECIFICATIONS:	
FREQUENCY RESPONSE:	20 Hz to 20 kHz
OUTPUT:	0.82 mV/cm/sec. $\pm 2$ dB
CHANNEL SEPARATION:*	35 dB
LOAD RESISTANCE:	47,000 ohms
LOAD CAPACITANCE:	275 pF
DC RESISTANCE:	1,300 ohms approx.
INDUCTANCE:	930 mH approx.
CHANNEL BALANCE:	Within 2 dB
STYLUS TIP:	0.3 x 0.7 mil Elliptical Diamond
TRACKING FORCE:	Arm Setting with Brush: 2 $\pm \frac{1}{2}$ grams Resulting Tracking Force: 1 $\pm \frac{1}{4}$ gram
CARTRIDGE WEIGHT:	5.5 grams
MOUNTING DIMENSIONS:	1/2" mounting centers
SUGGESTED RETAIL:	\$62.50

\*Reference 1 kHz.

680 STEREO STANDARD SERIES REPLACEMENT STYLUS

CARTRIDGE NO.	REPLACEMENT STYLUS NO.	SIZE	TRACKING FORCE	COLOR	NET
680EL	D6800EL	0.4 x 0.7 mil Elliptical	2.5 grams	Black	\$30.00
680EL	DP6800EL (Disco Pack - includes 3 stylus in each pack)	0.4 x 0.7 mil Elliptical	2.5 grams	Black	81.00
680EE (with "Long Hair" brush)	D680	0.3 x 0.7 mil Elliptical	3/4 to 1 1/2 grams	Black	31.25

The STANTON 680 series cartridge is covered by the following U.S. Patents: #3,546,399; #2,917,590; as well as corresponding patents of pending applications in the leading industrial nations throughout the world. All Stanton MICRO-FLUXVALVE cartridges are equipped with patented replaceable V-GUARD stylus assembly. MICRO-FLUXVALVE is a trademark of Stanton Magnetics, Inc.





### STANTON 600 BROADCAST STANDARD—H.P.

This is an important group in Stanton's Professional Standard Series of cartridges. It's designated "The Broadcast Standard — H.P.", and it represents a noteworthy advance in cartridge design and engineering. Some outstanding features of Stanton's top-of-the-line 681 Series have been carefully engineered into this new series in order to produce pick-ups of outstandingly *High Performance*.

From a specification standpoint, these cartridges feature reduced tip mass to provide outstanding frequency response for both on-the-air use and critical record listening. They have a remarkable ability to withstand rugged handling without sacrifice of audio quality, thus assuring high quality sound with minimum maintenance. The Broadcast Standard—H.P. achieved immediate acceptance as a fine solution for the Audiophile, who is seeking a pick-up worthy of the rest of his fine equipment, as well as the professional who needs a precision product to help achieve his objective.



### DESIGNED FOR USE WITH LIGHT-TRACKING TONE ARMS MODEL 600EE

When the situation requires critical auditions and record evaluation, this model, the 600EE, is an excellent solution. Its wide popularity and acceptance are legendary. It has a highly polished diamond elliptical tip — and it tracks at a light 1 to 2 grams. Its qualities are much appreciated by audiophiles with sophisticated home entertainment systems, as well as by professionals who make it an important accessory to their objectives.

#### SPECIFICATIONS:

<b>FREQUENCY RESPONSE:</b>	20 Hz to 20 kHz $\pm 2\frac{1}{2}$ dB
<b>OUTPUT:</b>	1.0 mV/cm/sec. $\pm 2$ dB
<b>CHANNEL SEPARATION:*</b>	35 dB
<b>LOAD RESISTANCE:</b>	47,000 ohms
<b>LOAD CAPACITANCE:</b>	275 pF
<b>DC RESISTANCE:</b>	800 ohms approx.
<b>INDUCTANCE:</b>	550 mH approx.
<b>CHANNEL BALANCE:</b>	Within 2 dB
<b>STYLUS TIP:</b>	0.3 x 0.7 mil Elliptical Diamond
<b>TRACKING FORCE:</b>	1-2 grams
<b>CARTRIDGE WEIGHT:</b>	5 grams
<b>MOUNTING DIMENSIONS:</b>	$\frac{1}{2}$ " Mounting Centers
<b>SUGGESTED RETAIL:</b>	\$55.00

\*Reference 1 kHz.





**FOR AUDITIONING AND DELICATE  
TRANSCRIBING WORK**

**MODEL 600E**

A brilliant performer due to its elliptical stylus tip — and tracking force of only  $1\frac{1}{2}$  to 3 grams. It is widely admired and used both for transcribing by professionals in radio stations, both AM and FM, around the world — and for enjoyable home entertainment listening by audiophiles. Stanton's Model 600E is exceptionally durable and dependable for a cartridge of this caliber.

**SPECIFICATIONS:**

<b>FREQUENCY RESPONSE:</b>	20 Hz to 20 kHz $\pm 2$ dB
<b>NOMINAL OUTPUT:</b>	1.0 mV/cm/sec. $\pm 2$ dB
<b>CHANNEL SEPARATION*:</b>	35 dB
<b>LOAD RESISTANCE:</b>	47,000 ohms
<b>LOAD CAPACITANCE:</b>	275 pF
<b>DC RESISTANCE:</b>	800 ohms approx.
<b>INDUCTANCE:</b>	550 mH approx.
<b>CHANNEL BALANCE:</b>	Within 2 dB
<b>STYLUS TIP:</b>	0.4 x 0.7 mil Elliptical Diamond
<b>TRACKING FORCE:</b>	$1\frac{1}{2}$ to 3 grams
<b>CARTRIDGE WEIGHT:</b>	5 grams
<b>MOUNTING DIMENSIONS:</b>	$\frac{1}{2}$ " Mounting Centers
<b>SUGGESTED RETAIL:</b>	\$50.00

\*Reference 1 kHz.



**FOR USE IN DEMANDING  
BROADCAST APPLICATIONS**

**MODEL 600A**

In all broadcast usages, the 600A is applicable to those situations that demand a spherical stylus tip — and a cartridge that tracks at 2 to 4 grams. It is widely employed by hundreds of radio stations for on-the-air usage and it performs with great excellence and dependability. Excellent frequency response and channel separation easily surpass the requirements of most broadcast standards.

**SPECIFICATIONS:**

<b>FREQUENCY RESPONSE:</b>	20 Hz to 20 kHz $\pm 2$ dB
<b>OUTPUT:</b>	1.0mV/cm/sec. $\pm 2$ dB
<b>CHANNEL SEPARATION*:</b>	35 dB
<b>LOAD RESISTANCE:</b>	47,000 ohms
<b>LOAD CAPACITANCE:</b>	275 pF
<b>DC RESISTANCE:</b>	800 ohms approx.
<b>INDUCTANCE:</b>	550 mH approx.
<b>CHANNEL BALANCE:</b>	Within 2 dB
<b>STYLUS TIP:</b>	0.7 mil Elliptical Diamond
<b>TRACKING FORCE:</b>	2 to 4 grams
<b>CARTRIDGE WEIGHT:</b>	5 grams
<b>MOUNTING DIMENSIONS:</b>	$\frac{1}{2}$ " Mounting Centers
<b>SUGGESTED RETAIL:</b>	\$45.00

\*Reference 1 kHz.





**FOR CRITICAL AUDITIONING  
AND RECORD EVALUATION  
MODEL 500EE**

High performance in an elliptical cartridge is the major characteristic of the 500EE. Low mass, and small tip radii combine to achieve the utmost in performance at low tracking forces. This phono-graph cartridge will outperform most frequency and response standards in broadcast system require-ments and will suit the most critical "audiophile" requirements for its ability to perform in fine high fidelity component equipment.

**SPECIFICATIONS**

<b>FREQUENCY RESPONSE:</b>	20 Hz to 10 kHz $\pm 1$ dB 10k Hz to 20 kHz $\pm 3$ dB
<b>OUTPUT:</b>	1.0mV/cm/sec. $\pm 2$ dB
<b>CHANNEL SEPARATION:*</b>	35 dB
<b>LOAD RESISTANCE:</b>	47,000 ohms
<b>LOAD CAPACITANCE:</b>	275 pF
<b>DC RESISTANCE:</b>	750 ohms approx.
<b>INDUCTANCE:</b>	465 mH approx.
<b>CHANNEL BALANCE:</b>	Within 2 dB
<b>STYLUS TIP:</b>	0.3 x 0.7 mil Elliptical Diamond
<b>TRACKING FORCE:</b>	1-2 grams
<b>CARTRIDGE WEIGHT:</b>	5 grams
<b>MOUNTING DIMENSIONS:</b>	$\frac{1}{2}$ " Mounting centers
<b>SUGGESTED RETAIL:</b>	\$40.00

\*Reference 1 kHz.



**FOR HEAVY-DUTY ON-THE-AIR USE  
WITH ELLIPTICAL 0.4 x 0.7 MIL TIP  
MODEL 500E**

Like the Model 500AL, sturdy construction is one of the major attributes of this fine cartridge. Its slightly larger radii than the 500EE, combined with tougher armature suspension, assures excellent life expectancy and freedom from wear. Tracks at narrower range of forces (2-5 grams) than the 500AL. Ideal for broadcast studio and serious home tape recording enthusiasts.

**SPECIFICATIONS**

<b>FREQUENCY RESPONSE:</b>	20 Hz to 10 kHz $\pm 1$ dB 10 kHz to 20 kHz $\pm 2$ dB
<b>OUTPUT:</b>	1.0mV/cm/sec. $\pm 2$ dB
<b>CHANNEL SEPARATION:*</b>	35 dB
<b>LOAD RESISTANCE:</b>	47,000 ohms
<b>CABLE CAPACITANCE:</b>	275 pF
<b>DC RESISTANCE:</b>	750 ohms approx.
<b>INDUCTANCE:</b>	465 mH approx.
<b>CHANNEL BALANCE:</b>	Within 2 dB
<b>STYLUS TIP:</b>	0.4 x 0.7 mil Elliptical Diamond
<b>TRACKING FORCE:</b>	2-5 grams
<b>CARTRIDGE WEIGHT:</b>	5 grams
<b>MOUNTING DIMENSIONS:</b>	$\frac{1}{2}$ " Mounting centers
<b>SUGGESTED RETAIL:</b>	\$35.00

\*Reference 1 kHz.





**FOR HEAVY-DUTY ON-THE-AIR USE  
WITH EXCELLENT SOUND REPRODUCTION  
MODEL 500A**

For all around broadcast application the 500A is widely recognized and applauded. It satisfies the most stringent requirements of the control room, from Bach to rock. Frequency response and separation meet or exceed broadcast standards. This highly serviceable cartridge has truly become a "legend in its own time."

**SPECIFICATIONS**

<b>FREQUENCY RESPONSE:</b>	20 Hz to 10 kHz $\pm 1$ dB 10 kHz to 20 kHz $\pm 2$ dB
<b>OUTPUT:</b>	1.0mV/cm/sec. $\pm 2$ dB
<b>CHANNEL SEPARATION:*</b>	35 dB
<b>LOAD RESISTANCE:</b>	47,000 ohms
<b>LOAD CAPACITANCE:</b>	275 pF
<b>DC RESISTANCE:</b>	750 ohms approx.
<b>INDUCTANCE:</b>	465 mH approx.
<b>CHANNEL BALANCE:</b>	Within 2 dB
<b>STYLUS TIP:</b>	0.7 mil Spherical Diamond
<b>TRACKING FORCE:</b>	2 to 5 grams
<b>CARTRIDGE WEIGHT:</b>	5 grams
<b>MOUNTING DIMENSIONS:</b>	$\frac{1}{2}$ " Mounting centers
<b>SUGGESTED RETAIL:</b>	\$30.00

\*Reference 1 kHz.



**FOR AUDITIONING - DURABLE, WITH LOWER  
MASS AND TRACKING FORCE  
MODEL 500AA**

One of a series of Stanton cartridges renowned for durability, Model 500AA offers reduced tip mass and tracking force to provide outstanding frequency response to professionals operating radio stations for both on-the-air use and auditioning of records prior to broadcast.

**SPECIFICATIONS**

<b>FREQUENCY RESPONSE:</b>	20 Hz to 10 kHz $\pm 1$ dB 10 kHz to 20 kHz $\pm 2$ dB
<b>OUTPUT:</b>	1.0mV/cm/sec. $\pm 2$ dB
<b>CHANNEL SEPARATION:*</b>	35 dB
<b>LOAD RESISTANCE:</b>	47,000 ohms
<b>LOAD CAPACITANCE:</b>	275 pF
<b>DC RESISTANCE:</b>	750 ohms Approx.
<b>INDUCTANCE:</b>	465 mH Approx.
<b>CHANNEL BALANCE:</b>	Within 2 dB
<b>STYLUS TIP:</b>	0.5 mil Spherical Diamond
<b>TRACKING FORCE:</b>	1-2½ grams
<b>CARTRIDGE WEIGHT:</b>	5 grams
<b>MOUNTING DIMENSIONS:</b>	$\frac{1}{2}$ " Mounting centers
<b>SUGGESTED RETAIL:</b>	\$35.00

\*Reference 1 kHz.





FOR HEAVY-DUTY ON-THE-AIR USE  
WITH WIDE TRACKING FORCE RANGE  
MODEL 500AL

Known as the workhorse of the broadcast industry and particularly for its wide use by disc jockeys, the 500AL ideally meets the extremely rugged requirements of on-the-air application. Even under the most adverse handling, 500AL operates trouble-free without sacrificing broadcast quality. Small wonder, then that it has become "the broadcasters' mainstay."

SPECIFICATIONS

FREQUENCY RESPONSE:	20 Hz to 17 kHz $\pm$ 2½ dB
OUTPUT:	1.0 mV/cm/sec. $\pm$ 2 dB
CHANNEL SEPARATION:*	28 dB
LOAD RESISTANCE:	47,000 ohms
LOAD CAPACITANCE:	275 pF
DC RESISTANCE:	750 ohms approx.
INDUCTANCE:	485 mH approx.
CHANNEL BALANCE:	Within 2 dB
STYLUS TIP:	0.7 mil Spherical Diamond
TRACKING FORCE:	3 to 7 grams
CARTRIDGE WEIGHT:	5 grams
MOUNTING DIMENSIONS:	½" Mounting centers
SUGGESTED RETAIL:	\$30.00

\*Reference 1 kHz.

500 BROADCAST STANDARD REPLACEMENT STYLUS

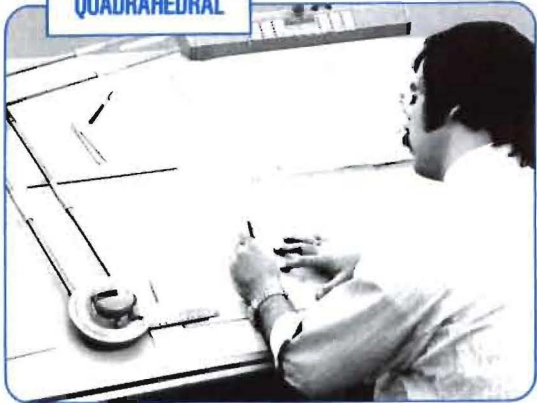
CARTRIDGE NO.	REPLACEMENT STYLUS NO.	SIZE	TRACKING FORCE	COLOR	NET
500EE	D5100EE	0.3 x 0.7 mil Elliptical	1-2 grams	Black w/Gold Dot	\$25.00
500E	D5100E	0.4 x 0.7 mil Elliptical	2-5 grams	Black w/Red Dot	20.00
500AA	D5105AA	0.5 mil	1-2½ grams	Black w/Gray Dot	18.00
500A	D5107A	0.7 mil	2-5 grams	Black w/Yellow Dot	12.00
500AL*	D5107AL	0.7 mil	3-7 grams	Black w/Aqua Dot	12.00
LP STYLUS	D5110**	1.0 mil	2-5 grams	Black w/White Dot	12.00
78 RPM	D5127***	2.7 mil	3-7 grams	Black w/Blue Dot	12.00

\*Extra heavy duty      \*\*For LP's      \*\*\*For 78 RPM's  
The STANTON 500 series cartridge is covered by the following U.S. Patents: 3,297,831; 3,146,319; 2,917,590; as well as corresponding patents or pending applications in the leading industrial nations throughout the world.  
All Stanton MICRO-FLUXVALVE cartridges are equipped with patented replaceable V-GUARD stylus assembly. MICRO-FLUXVALVE is a trademark of Stanton Magnetics, Inc.





SYMBOL OF A FABULOUS  
ENGINEERING  
BREAKTHROUGH IN  
DISCRETE, 4-CHANNEL  
STYLUS DESIGN...



THE STANTON 780/4DQ CARTRIDGE

A totally revolutionary stylus design concept turns out to be the answer for discrete playback! Stanton created this stylus for its four channel cartridge.

This is the first American designed and manufactured stylus assembly developed for discrete four-channel records. It was especially engineered for the Stanton 780/4DQ cartridge.

The performance of this remarkable cartridge fulfills all the extensive demands and sophisticated requirements necessary for playback of all the material recorded on discrete discs. And while performing brilliantly, it is actually very kind to records in terms of wear. Stanton's own engineers, whose professional products are the standards of the industry, tested and proved its characteristics, and report that it functions with total reliability in every measurable aspect.

780/4DQ SPECIFICATIONS:

FREQUENCY RESPONSE:<sup>1</sup> 10-50,000 Hz  $\pm 2\frac{1}{2}$  dB  
OUTPUT: 0.6 mV/cm/sec  $\pm 2$  dB  
CHANNEL SEPARATION:<sup>2</sup> 35 dB  
RESISTANCE EACH CHANNEL: 675 ohms  
INDUCTANCE EACH CHANNEL: 290 mH  
TRACKING FORCE:<sup>3</sup> Arm Setting with Brush:  $3 \pm \frac{1}{2}$  grams  
Resulting Tracking Force:  $2 \pm \frac{1}{2}$  grams  
SUGGESTED RETAIL: \$125.00

	REPLACEMENT STYLUS NO.	SIZE	STYLUS COLOR	PRICE
780/4DQ	4DQ	Quadrahedral	Black w/Silver "4DQ"	\$45.00

Notes:

1. When the cartridge load is the recommended 100K ohms and 100 pF.
2. Reference 1 kHz.
3. Recommended by manufacturer for optimum performance.



FOR DISCRETE  
PLAYBACK —  
FEATURING  
THE QUADRAHEDRAL  
STYLUS ASSEMBLY



THE STANTON 780/Q CARTRIDGE

With the introduction of the Discrete Four-Channel record, another order of magnitude of performance was required of the cartridge. The Stanton 780/Q was designed and engineered to faithfully reproduce not only 20 Hz to 20 kHz AM signals, but also the 30 kHz modulated signals in the record's grooves. It has a frequency response that provides excellent performance and crosstalk characteristics out to 45 kHz. This advance was the result of the combination of an improved cartridge design and a new high performance stylus assembly, the QUADRAHEDRAL.

The Stanton 780/Q not only provides outstanding performance when playing the new discrete four-channel records, but also provides superior performance when playing standard stereo records, or Four-channel Matrix Derived Compatible Systems.

780/Q SPECIFICATIONS:

FREQUENCY RESPONSE:<sup>1</sup> 10-45,000 Hz  $\pm 2\frac{1}{2}$  dB  
OUTPUT: 0.6 mV/cm/sec  $\pm 2$  dB  
CHANNEL SEPARATION:<sup>2</sup> 30 dB  
RESISTANCE EACH CHANNEL: 675 ohms  
INDUCTANCE EACH CHANNEL: 290 mH  
TRACKING FORCE:<sup>3</sup> Arm Setting with Brush:  $3 \pm \frac{1}{2}$  grams  
Resulting Tracking Force:  $2 \pm \frac{1}{2}$  grams  
SUGGESTED RETAIL: \$75.00

	REPLACEMENT STYLUS NO.	SIZE	STYLUS COLOR	PRICE
780/Q	Q	Quadrahedral	Black w/Silver "Q"	\$33.00

Notes:

1. When the cartridge load is the recommended 100K ohms and 100 pF.
2. Reference 1 kHz.
3. Recommended by manufacturer for optimum performance.



PROFESSIONAL QUALITY...  
PRICED FOR THE AUDIOPHILE



STANTON  
TURNTABLES  
FEATURE  
GYROPOISE®  
MAGNETIC  
SUSPENSION



MODEL 8004 GYROPOISE TURNTABLES —  
COMPLETE WITH THREE UNIQUE FEATURES

**1. GYROPOISE® —**

Frictionless magnetic suspension bearing thus the platter makes no vertical contact with the body of the structure. No contact means much less wear and noise.

**2. UNIPOISE® —**

Single point tone arm suspension — the arm is supported by a single pivot for both lateral and vertical movement.

**3. STANTON STATE-OF-THE-ART  
CARTRIDGE —**

Each model is equipped with a top quality cartridge to insure perfect sound reproduction.

SELECTED AS "BEST BUY" BY LEADING  
CONSUMER BUYING GUIDES\* —

\*They're both well known but we're not permitted to divulge their identity.



HERE IS A LISTING OF THE  
STANTON TURNTABLE'S FEATURES —  
MANY OF THEM EXCLUSIVE

1. Gyroprise® — frictionless magnetic suspension of the platter.
2. Die cast aluminum T-Bar for sturdy structure.
3. 2-Speed changer for 33 rpm and 45 rpm playback.
4. 24-Pole synchronous high torque motor.
5. Belt drive for noiseless operation.
6. 12" die cast machined aluminum platter.
7. Unipoise® — single point tone arm suspension.
8. Anti-skate control adaptable to all types of styli.
9. Magnetic hold bar for tone arm convenience.
10. Stylus force slide (range 0-4 grams).
11. Stanton state-of-the-art stereo or discrete cartridges.
12. Viscous damped cueing control for featherlight lowering of stylus.
13. Handsome walnut veneer base (comes complete with dust cover).
14. Comes equipped with low capacitance cables for use with 4-channel discrete systems.



**TURNTABLE MODEL 8004 SPECIFICATIONS**

<b>DRIVE SYSTEM:</b>	24 Pole synchronous motor precision ground belt drive
<b>SPEEDS:</b>	33 $\frac{1}{3}$ and 45 rpm $\pm 0.3\%$
<b>WOW AND FLUTTER:</b>	$\leq .07\%$ din 45507 weighted
<b>RUMBLE:</b>	$\leq -60$ dB din 45539 weighted
<b>STYLUS FORCE RANGE:</b>	0-4 grams
<b>TRACKING ERROR:</b>	$\pm 1.7^\circ$ max.
<b>ANTI-SKATE:</b>	Adjustable with separate scales for all types of styli
<b>POWER REQUIREMENTS:</b>	105-125V 60 Hz 3 Watts
<b>DIMENSIONS:</b>	13" x 14 $\frac{1}{4}$ " x 7"
<b>NET WEIGHT:</b>	12 lbs.

**MODEL 8004-II B  
WITH 600EE DEPENDABLE  
STEREO CARTRIDGE**

<b>TRACKING FORCE:<sup>1</sup></b>	1-2 grams
<b>FREQUENCY RESPONSE:<sup>2</sup></b>	20 Hz to 20 kHz
<b>CHANNEL SEPARATION:</b>	35 dB
<b>OUTPUT:</b>	1.0 mV/cm/sec. $\pm 2$ dB
<b>INDUCTANCE EACH CHANNEL:</b>	550 mH approx.
<b>RESISTANCE EACH CHANNEL:</b>	800 ohms approx.
<b>STYLUS TYPE:</b>	0.3 x 0.7 mil Elliptical Diamond
<b>SUGGESTED RETAIL:</b>	\$172.50

**MODEL 8004-II A  
WITH TT680EE REMARKABLE  
STEREO CARTRIDGE\***

<b>TRACKING FORCE:</b>	1 $\pm \frac{1}{4}$ gram
<b>FREQUENCY RESPONSE:<sup>2</sup></b>	20 Hz to 20 kHz
<b>CHANNEL SEPARATION:</b>	35 dB
<b>OUTPUT:</b>	0.82 mV/cm/sec. $\pm 2$ dB
<b>INDUCTANCE EACH CHANNEL:</b>	930 mH approx.
<b>RESISTANCE EACH CHANNEL:</b>	1,300 ohms approx.
<b>STYLUS TYPE:</b>	0.3 x 0.7 mil Elliptical Diamond
<b>SUGGESTED RETAIL:</b>	\$179.95

**MODEL 8004-III  
WITH TT681 TRIPLE-E CALIBRATED  
STEREO CARTRIDGE\***

<b>TRACKING FORCE:<sup>1</sup></b>	1 $\pm \frac{1}{4}$ gram
<b>FREQUENCY RESPONSE:</b>	10-22,000 Hz
<b>CHANNEL SEPARATION:</b>	35dB
<b>OUTPUT:</b>	0.7mV/cm/sec $\pm 2$ dB
<b>INDUCTANCE EACH CHANNEL:</b>	930 mH Approx.
<b>RESISTANCE EACH CHANNEL:</b>	1300 ohms Approx.
<b>STYLUS TYPE:</b>	0.2 x 0.7 mil Elliptical Diamond
<b>SUGGESTED RETAIL:</b>	\$199.95

**MODEL 8004-IV  
WITH TT780/4DQ 4-CHANNEL DISCRETE  
AND STEREO CARTRIDGE\***

<b>TRACKING FORCE:<sup>1</sup></b>	2 $\pm \frac{1}{2}$ grams
<b>FREQUENCY RESPONSE:</b>	10-50,000 Hz
<b>CHANNEL SEPARATION:</b>	35 dB
<b>OUTPUT:</b>	0.6mV/cm/sec $\pm 2$ dB
<b>INDUCTANCE EACH CHANNEL:</b>	290 mH
<b>RESISTANCE EACH CHANNEL:</b>	675 ohms
<b>STYLUS TYPE:</b>	Quadrilateral Diamond
<b>SUGGESTED RETAIL:</b>	\$224.95

NOTES: 1. Recommended by manufacturer for optimum performance.  
2. When the cartridge is terminated in the recommended load of 47K ohms at 275PF.  
3. When the cartridge is terminated in the recommended load of 100K ohms and 100PF

\*ABOVE CARTRIDGES FEATURE THE  
"LONGHAIR" BRUSH ASSEMBLY

**STANTON HEADPHONES ...  
TOP PERFORMANCE FOR  
EVERY PURPOSE**

Stanton has created a full range of professional quality headphones. There is one to precisely suit the needs of every potential listener. To listen is to be convinced — let your Stanton dealer demonstrate these phones to you.

**STANTON'S STEREO/WAFERS® MODEL XXI  
— THE LIVEST SOUND AND LOOK**

Ultra thin headphones, designed and engineered to provide extreme comfort over long listening periods, a particular wide frequency response, and a broad dynamic range. A major factor in the success of the design is the use of rare earth elements in the compound of the permanent magnets of each earpiece. Besides having superior magnetic properties, these magnets are also of much smaller size, while still achieving an improved response over headphones incorporating conventional permanent magnets.

**SPECIFICATIONS:**

<b>FREQUENCY RESPONSE:</b>	20 Hz to 22 kHz $\pm 5$ dB
<b>SENSITIVITY:</b>	110 dB SPL* at 0.2 volts input
<b>MAXIMUM POWER INPUT:</b>	0.1 Watts rms
<b>DISTORTION:</b>	Less than $\frac{1}{2}\%$ @ 110 dB SPL*
<b>INPUT IMPEDANCE:</b>	100 ohms nominal
<b>WEIGHT:</b>	6 oz. (including cord & plug)
<b>SUGGESTED RETAIL:</b>	\$69.95

\*Sound Pressure Level.



#### THE DYNAPHASE SIXTY FIVE FOUR C

It's a four channel phone with a switch that permits use also for conventional stereo. Extraordinarily balanced, it can actually place the listener in clearly — recognized areas of the performance area.

##### SPECIFICATIONS:

FREQUENCY RESPONSE:	20 Hz to 20 kHz
SENSITIVITY:	100 dB SPL* @ 0.10 Volts input @ 1 kHz for each channel
MAXIMUM POWER INPUT:	0.2 watts rms
DISTORTION:	Less than 1/2% @ 110 dB SPL*
INPUT IMPEDANCE:	@ 1 kHz: 15 Ohms $\pm 20\%$
WEIGHT:	19 ozs.
SUGGESTED RETAIL:	\$69.95

\*Sound Pressure Level.



#### THE DYNAPHASE SIXTY

Designed just like a fine two-way loudspeaker system, with a separate dynamic woofer and tweeter in each earpiece. Extremely wide frequency response and unusually realistic sound reproduction.

##### SPECIFICATIONS:

FREQUENCY RESPONSE:	40 Hz-11 kHz $\pm 3$ dB 30 Hz-18 kHz $\pm 6$ dB
SENSITIVITY:	100 dB SPL* @ 0.11 Volts input @ 1 kHz
MAXIMUM POWER INPUT:	0.5 Watts rms
DISTORTION:	Less than 1% @ 115 dB SPL*
INPUT IMPEDANCE:	8 ohms nominal
WEIGHT:	28 ozs.
SUGGESTED RETAIL:	\$64.95

\*Sound Pressure Level.



#### THE DYNAPHASE FORTY

The new Stanton Dynaphase Forty has a unique wide-range dynamic reproduction system, correctly acoustically mounted to precisely channel the highs and lows into each ear.

##### SPECIFICATIONS:

FREQUENCY RESPONSE:	60 Hz-10 kHz $\pm 3$ dB
SENSITIVITY:	100 dB SPL* @ 0.10 volts input @ 1 kHz
MAXIMUM POWER INPUT:	0.5 watts rms
DISTORTION:	Less than 1% @ 115 dB SPL*
INPUT IMPEDANCE:	8 Ohms nominal
WEIGHT:	21 oz.
SUGGESTED RETAIL:	\$44.95

\*Sound Pressure Level.



#### THE DYNAPHASE TWENTY EIGHT

So light in weight with its open audio foam cushions. Carefully stitched headband that adjusts perfectly to your head. Fabulous sound.

##### SPECIFICATIONS:

FREQUENCY RESPONSE:	30 Hz-19 kHz $\pm 4$ dB
SENSITIVITY:	100 dB SPL* @ 0.10 volts input @ 1 kHz
MAXIMUM POWER INPUT:	0.3 watts rms
DISTORTION:	Less than 1% @ 100 db SPL*
INPUT IMPEDANCE:	8 ohms nominal
WEIGHT:	10.9 oz.
SUGGESTED RETAIL:	\$27.95

\*Sound Pressure Level.





### STANTON 500 BROADCAST SERIES

Great sound with little maintenance can be built into any broadcast operation with this rugged cartridge series. Stanton 500's have been designed to overcome operational problems caused by roughly handled cartridges and styli, without sacrificing quality performance and sound. Historically, this series has enjoyed a continuing customer acceptance and demand.

There is a Stanton 500 for every broadcast application from critical auditioning in the record library to "Top 40" combo work where DJ operators have no time for stylus failures. The stylus assembly of the 500 Series can withstand the back-cueing and rough handling that would ruin ordinary pickups. Yet frequency response is superb, as are tracking ability, output and stereo channel separation.

FM and FM/Stereo operations can benefit from installation of these rugged pickups, and they are ideal for upgrading older equipment in AM stations.

With increasing emphasis being placed on the elimination of monophonic pressings by most recording companies, Stanton 500's are manufactured in "stereo only" versions, but their two-channel output may be wired monophonically with no change in specifications.

### 600 PROFESSIONAL STANDARD REPLACEMENT STYLUS

CARTRIDGE NO.	REPLACEMENT STYLUS NO.	RADIUS	TRACKING FORCE	STYLUS COLOR	NET
600EE	D6003EE	0.3 x 0.7 Mil Elliptical	1 to 2 grams	Black	\$27.50
600E	D6004E	0.4 x 0.7 Mil Elliptical	1½ to 3 grams	Black	25.00
600A	D6071A	0.7 Mil	2 to 4 grams	Black	20.25
LP Stylus for above	D6010	1.0 Mil	2 to 5 grams	Black	18.00
78 RPM for above	D6027	2.7 Mil	3 to 7 grams	Black	18.00

The STANTON 600 series cartridge is covered by the following U.S. Patents: #3,546,399; #3,546,279; as well as corresponding patents or pending applications in the leading industrial nations throughout the world.

All Stanton MICRO-FLUXVALVE cartridges are equipped with patented replaceable V-GUARD stylus assembly. MICRO-FLUXVALVE is a trademark of Stanton Magnetics, Inc.